

Lake District National Park

Forecast valid from 00:00 on Friday 13 Jan 2023 until 23:59 on Saturday 14 Jan 2023

Forecast Issued on Thursday 12 Jan 2023 at 14:20

Confidence: High for unsettled for much of the period, also for turning to a colder more sheltered northerly for Monday, but lowering confidence for detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow before Monday, also for Tuesdays detail.

Headline for Friday 13 Jan 2023: Rather cloudy with occasional showers. Early gales.

Mountain weather hazards on Friday 13 Jan 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Sleet	Heavy snow	Light snow	Light rain showers	Light snow	Light snow	Heavy snow	Heavy snow
Precipitation probability							
90%	70%	40%	40%	40%	40%	30%	80%

Forecast for Friday 13 Jan 2023

Weather: Periods of rain and snow at first breaking to showers before dawn. Mainly cloudy by day with occasional showers. Band of rain and snow extending from the west for the evening. Snow level 900m lowering 700m for a time in the afternoon showers.

Chance of cloud-free hill tops above 800m: 60-70% for any specific time, but very low for extended periods given the showery nature of the flow.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor in snow and within cloud with bases mostly above the peaks by day, frequently lowering 500-700m chiefly when showers push through.

Forecast for Friday 13 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	51/66 W	46/59 W	44/56 W	38/48 W	33/43 W	33/44 W	26/34 SW	24/33 SW	28/39 S
600	44/60 W	39/53 W	35/49 W	31/43 W	28/39 W	27/39 W	22/32 SW	21/31 SW	23/35 SW
300	18/49 W	17/45 W	16/42 W	14/36 W	14/33 W	13/34 W	9/25 W	10/25 SW	8/25 SW
Valley	21/48 W	17/41 W	15/37 W	13/32 W	15/31 W	13/30 W	11/24 SW	11/23 SW	11/23 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	1/-9	1/-9	0/-9	0/-8	0/-8	0/-8	-0/-8	-1/-8	1/-6
600	3/-5	3/-5	2/-5	2/-5	2/-4	2/-5	2/-4	1/-5	2/-4
300	5/-0	5/0	5/0	4/0	4/0	4/0	4/1	3/-1	4/1
Valley	7/2	7/3	7/3	7/3	7/3	7/4	7/4	6/2	6/4
Freezing Level*	1100m	1000m	1000m	1000m	900m	900m	800m	800m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Nothing to add.

Forecast for Saturday 14 Jan 2023

Weather: Overcast with periods of rain and summit snow, frequently turning heavy. However some chance of clearing to brighter spells and showers for a time during the late afternoon. Snow level 800m lowering to 500m later in the day.

Maximum wind: West or southwest mean 30mph with gusts reaching 45mph across most exposed ridges and summits.

Chance of cloud-free hill tops above 800m: Virtually nil, becoming 40% late afternoon

Low cloud and visibility: Moderate or poor in rain, very poor in snow and within cloud with bases extensive from 500-700m, possible improving late afternoon.

Temperature: **Valleys:** Plus 1 Celsius increasing 9 Celsius during the afternoon

At 800m: Plus 2 Celsius decreasing Minus 2 Celsius

Freezing level: 900m decreasing 600m

Ground Conditions Supplement

Date: Thursday 12 January. Location: Helvellyn summit at 12:18. Full report: A windy day with upland gales and rain this morning clearing to leave scattered showers, some of which were wintery over high ground. The ground is saturated and many streams and rivers are still in spate. The freezing level around midday was above summit level, however, it is forecast to lower this evening and overnight. Snowmelt during the day has lifted the snowline to roughly 700m and all of the snow encountered today was soft, wet, and slowly thawing. Depth generally increases with height, however, it varies from very little (or nothing) over high and exposed ground to knee-deep drifts in more sheltered areas. The greatest accumulations of snow are found on steep north and east-facing slopes above 800m. Soft and unstable cornices are also present around corrie rims in these locations and should be given a wide berth. Striding and Swirral edge are in full winter condition and a steep bank of snow exists on the exit slopes. Freezing temperatures overnight are likely to freeze today's wet snow, meaning that it may be hard and icy tomorrow. Any overnight precipitation is also likely to fall as snow over high ground, therefore, there may be more snow and ice tomorrow than described here. Although the summit temperature today was a little above freezing, the windchill (feels-like) temperature was around -8°C, and anyone standing still even for short periods of time would get very cold very quickly. Upland gales and further hill snow are forecast tomorrow, therefore anyone venturing out should anticipate and be prepared for very challenging conditions. Full winter clothing (warm and waterproof) including hats and gloves, a map, compass, and headtorch are all essential. For anyone considering steep and exposed routes above the snowline, an ice axe and crampons/microspikes are also essential and goggles are highly recommended for route-finding and navigating in windy conditions. Temperature: plus 1.2 C, Maximum wind speed 48.5 mph, Wind chill: minus 8.1 C, Average wind speed: 33.5 mph
Issued at: 1420 on Thu 12 Jan 2023